



CANDLEWOOD LAKE AUTHORITY

P.O. BOX 37 • SHERMAN, CONNECTICUT 06784-0037 • (860) 354-6928 • FAX (860) 350-5611

Minutes of Regular Meeting September 11, 2013

Attending:

H. Berger Sherman
E. Hayes Sherman
P. Schaer Sherman
M Toussaint New Milford
H. Mayer New Milford
J. Wodarski New Milford
D. Rosemark Danbury
W. Lohan Brookfield
B. Brown Brookfield

Absent:

B. Kemble New Fairfield
J. Hodge New Fairfield
N. Gyle New Fairfield
C. Robinson Danbury
E. Siergiej Danbury
J. Murphy Brookfield

L. Marsicano, CLA Executive Director
M. Howarth, Public Education Director

Recorder: M. Toussaint

Guests: R. Laudanat-- First Light Power Resources
G. Linkletter, Sherman
S. Randall, Sherman
M. Propper, Danbury
J. McAlister, New Fairfield
D. Marsillio, Danbury
G. Carris, Danbury
S. Wodarski, New Milford
B. Stryker, New Fairfield
J. Marquis, Danbury, CLUB-A
D. Weider, Sherman

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DANBURY TOWN CLERK

2013 SEP 18 A 11:45

BY: 

Howie Berger, Chairman, called the regular meeting of the Candlewood Lake Authority to order at 7:31 P.M. at Brookfield Town Hall, Brookfield, CT. He welcomed the guests.

Secretary's Report: In the absence of the Secretary, the chair noted there were no corrections to the minutes of the August meeting, Harold Mayer moved that the minutes of the August 14, 2013 meeting be accepted as written, seconded by Phyllis Schaer and voted with all in favor. Motion carried, minutes accepted.

Mr. Berger gave an overview of the last four months of presentations on the various methods to control Milfoil in the lake. This month the method of control would be the drawdown. Mr. Bergen then gave the floor to Richard Laudanat, Station Services Manager, FirstLight Power Resources. He noted that the alternate deep/shallow drawdown will continue to be done as long as the FERC license requirement is

there in effect. They funded a study of the water quality of Candlewood Lake at the request of the First Selectman of New Fairfield, John Hodge. This study was done by Dr. George Knoecklein and it raised some fairly significant issues that more nutrients may be added to the lake through the pump-up after the DEEP drawdown. These environmental concerns raised a red flag as to whether or not it was appropriate to continue the deep drawdown practice. They have continued to fund Dr. Knoecklein's research on some of the issues he had found and they are expecting a report later this fall. He noted that this spring they refilled the lake without a spring freshet (flooding) and this contributed very little phosphorus to the lake. He further noted that this was the second year in a row that there was no spring freshet in the river. They will continue with the license conditions and the conversation with the stakeholders regarding what is appropriate for milfoil control.

Another controversial issue is that this plant is no longer economic they have spent much to replace the penstock and for work inside the plant itself, it takes 4kw to pump up- for each 1kw they generate. There is a very finite life expectancy for Rocky River. Since the watershed of Candlewood is so small they do not know if the lake can maintain itself without the inflow from the river. The lake may need a spillway – this would be needed if there were a super storm event of 18 inches or more at one time. The lake has never flooded since its inception. The project would have to separate Rocky River out to be standalone before they would be able to surrender the license to operate. There are no measurable benefits stemming from the fact that the plant can start up without energy and there is a limited amount of water that can be used to generate power. Rocky River has been operating in the red for a number of years.

Mr. Berger asked about how to control the milfoil without the drawdown – what about the use of grass carp as an alternative. FirstLight's initial response was negative but the CLA has researched this and spoke with the DEEP who seem to have encouraged the CLA to look into this alternative means of control. The CLA also had a presentation from an industry expert saying that there may not be any effect on the penstock. Are you (FirstLight) opposed to the use of Grass Carp? Mr. Laudenat noted concerns that all fish were sterile, and fish could escape down penstock – however sterility is no longer an issue. Would fish eating patterns change over the winter? Mrs. Schaer noted that she would look into this. FirstLight would assume no liability for fish that escaped into the Housatonic. DEEP seems to be more agreeable to allowing the grass carp in Candlewood. Mr. Berger questioned if FirstLight would be agreeable to the use of grass carp with the shallow drawdown as a means to control milfoil in a more economical way? The CLA would like to work with FirstLight to balance the environmental concerns of the Authority with the economic concerns of FirstLight to control the milfoil in the lake for the benefit of the residents. The last item on the table is the land ownership issue – those who own the land under the water. There are a few pieces that are completely under the water that ownership was never transferred.

Mr. Berger noted that the CLA is presently having a statistical evaluation by experts in the field of thirty years of data on the water quality of the lake looking for trends.

Mrs. Schaer offered that the CLA would be willing to help in any way to supply information to FirstLight on the use of grass carp. Do you have any event horizon or concerns relating to the lake that maybe you want to bring to the CLA or that we could work together or share on the lake? Mr. Laudenat advised the water constant (i.e. water retention time) and the need to improve the shoreline buffers on the lake. He advised that Dr. Knoecklein had noted that an independent study of his research would be wasted dollars as it would be a duplication of efforts. Mrs. Schaer noted that the CLA is looking into where the phosphorus is coming from and looking into educating the general public on this. Discussion followed, including zebra mussels, economics, balance to control milfoil, feasibility of back-to-back deep drawdowns over five years, not pumping in spring after spring freshets to prevent zebra mussel veligers migrating into Candlewood, cost to refill without much spring rain, tax bills from the five towns, property owners below the 440 as well as property owners under the water, grass carp program, stopping zebra mussels at the source, milfoil mapping for 2013 and trends of water quality in the lake based on climate. Blue-green algae in the lake are not a concern at this time. With regards to the SMP, FERC had issued its order and it is a multifaceted plan dealing with its various limits, they have Kleinschmidt doing the mapping of structures below the 440 and what is going to be grandfathered on Candlewood. The work is about 80% done with GIS mapping. Other issues being worked on include overcrowding, a draft vegetated buffer manuals which will go out to stakeholders, some regulatory issues, public information piece as well, and the eviction of a

marina and illegal dock operation. All are in the works. Present structures not permitted under the present SMP will be grandfathered. It was suggested that CLA be included in the overcrowding process. Mr. McAlister from the audience noted that this has been an extremely educational and constructive session and seems that there are many factions that are not working together – can this process be smoothed and be more inclusive. Mrs. Schaer advised Mr. Laudonat that he is welcome at all the CLA meetings and thank you to Mr. Laudonat for a very informative session.

Chairman's Report: Mr. Berger spoke about the five towns through the leadership of Danbury putting out an RFP for bid – he advised that the Sherman delegates went to speak to the First Selectman of Sherman to find out how Sherman committed to participating and the response from Sherman was “The Town of Sherman did not commit to participate in this RFP for water quality and the Selectman in an email to Mayor Boughton advised that Sherman would need to bring it to the BOS and request that the Mayor provide a copy of the RFP for review. This means that there are only 4 towns not all five.

Mr. Marsicano noted that it was implied that there was a meeting with the five towns and FirstLight with Dr. Knoecklein who noted that there was no need for an outside independent study /review of his report which would be a waste of money.

Vice Chairman's Report: No report.

Treasurer's Report: Phyllis Schaer, Treasurer, noted there were no questions on the Report of Income and Expenses for the months ended July 31, and August 31, 2013. With none, Harold Mayer moved to accept the Treasurer's Report of Income and Expenses for the month ended months ended July 31, and August 31, 2013, be accepted as presented, motion seconded by Ed Hayes and voted with all in favor. Treasurer's Report of Income and Expenses for the months ended July 31, and August 31, 2013 have been accepted and filed for audit.

Nothing to report on the sale of the donated boat – it is still on E-Bay.

Public Safety: Ed Hayes, Co-Chair, reported that he would like to table the report for this meeting.

Equipment/Facilities: Mr. Berger noted that there is a need to look into purchasing a new boat for the patrol, need for enhanced water quality monitoring equipment and in addition when the Enchanted Evening was held back in 2007 donations were for the Candlewood Lake Environmental Research Center – if the money is restricted is it restricted forever – this question is being researched. We are looking for ways to increase visibility and to up CLA's presence. One way is thorough a research vessel. This would be a Research and Education Center instead of on the land, it would be on the water.

Public Awareness: Mark Toussaint, Co-Chair. Gave kudos to Mark Howarth and Larry Marsicano for another very successful Dragon Boat Race.

He discussed revamping communications to Towns – CEO, Boards, etc.

Watershed Management: Mr. Mayer wants to use satellite imaging to see weed mapping, phosphorus loading, and algae blooms. Mrs. Schaer noted that this will be done after rain events and dry to see if it is coming from the watershed or the lake itself. Discussion followed. Mr. Marsicano reported that the Zebra Mussel experiments will be postponed to next spring.

Mr. Marsicano reported on a project management plan (PMP) that is included in his September report (attached to these minutes) and asked that the Delegates approve the Executive Director to sign it. Phyllis Schaer moved that the CLA approve/authorize Larry Marsicano to sign the PMP for the Dr. Kelly study as it moves forward and requires signatures on the documentation, seconded by Harold Mayer and voted with all in favor. Motion carried

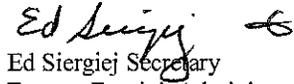
Any and All Business:

Mr. Berger is looking for input – invite DEEP to come to the CLA and ask the five CEO's to all meet. Research what it would it take in the legislature to change the 100% written approval of all land owners for the use of grass carp. Mr. Berger noted that the position statement will be ready for the

next meeting on how best to control milfoil based on the last four months of presentations. Discussion on how funding could be obtained to move this forward.

With no further business to come before the Candlewood Lake Authority, Mark Toussaint moved to adjourn, seconded by Harold Mayer. Meeting adjourned at 9:38 P. M.

Respectfully submitted,



Ed Siergiej Secretary
Frances Frattini, Administrative Coordinator

r/b/lm

These minutes are not considered official until they have been approved at the next regularly scheduled meeting of the Candlewood Lake Authority.



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Executive Director's Report
September 6, 2013
Larry Marsicano

The following report summarizes activities of August 9, 2013 to September 5, 2013.

Invasive Species Management

The experiment with CO₂ to address spread of zebra mussel did not occur this season and is being planned for the start of the next spawning season. The Lee Conservation Commission took up the application the CLA prepared and submitted along with Dr. Kelly's study plan on behalf of the coalition of agencies (CLA, CT DEEP, BOR, etc.) on August 19th. Bill Hyatt, Bureau Chief of the CT DEEP Natural Resources Bureau was present at the meeting and discussed the application. Mr. Hyatt reported back that the Commission appeared favorable and supportive of the plan to do the experiments and had requested a few additional items for their review. Discussion of the application was continued until such information could be provided.

Efforts continue to work out agreements between CT DEEP, BOR, Praxair, WCSU, and the dam owner on agreements. A Project Management Plan has been drafted by Dr. Kelly and submitted to the CT DEEP as they have requested. CT DEEP is funding the study. The CLA is listed in Sec. 5 – Roles and Responsibilities (see attached) and there is budget set aside to offset some of CLA's expenses. CLA is also listed as one of the signatories (Sec. 11). Approval by the board is appropriate for signing this agreement.

We continue to analyze samples collected this summer in Lakes Candlewood and Zoar for zebra mussel veligers. Our last sampling on Candlewood occurred on August 30th.

Shoreline Management

We received separate requests for assistance from Tim Simpkins, New Fairfield Health Director and Dr. Joyce MacBloom, a member of the Bogus Hill community, regarding 7 Bogus Hill Road where purportedly the shoreline was altered without approvals. We provided historical and recent photos from the water as well as some aerial flyover photos from 2004 and 2013 to both parties and also discussed shoreline management as it pertains to the Town, FirstLight and the CLA with Dr. MacBloom.

We were also requested to review plans for a septic repair at a waterfront home at 18 Driftwood Road, Danbury, CT. Gary Dufel lent his expertise and has provided comment which we will forward to the Danbury EIC and the party that developed the plans.

Hollywyle Community

The Hollywyle Community has expressed a number of user conflict concerns. In mid-August we received communications from Melinda Miller, President of the Hollywyle Park Association, regarding pattern of loud, Saturday night time concerts at Hollywyle Island with some lasting into the early morning hours. In addition to discussing this with Ms. Miller, I discussed this with New Fairfield First Selectman Susan Chapman, CLA Public Safety Co-Chair Ed Hayes and CLAMP Chief Doug Vane.

Part of the problem with enforcement is that the lands are privately owned and local and state law enforcement agencies weren't authorized to enforce on those lands. I therefore attempted to contact FirstLight regarding enforcement policies on the Island, but my message was not returned.

From the discussions that did take place, steps were implemented that included scheduling specific CLAMP patrols in the evening in the vicinity of the Island. CT DEEP also provided similar patrols. Improvements were subsequently noticed by Ms. Miller who copied me on a letter to the community acknowledging the help of the CLA and the First Selectman.

Several weeks ago we received a copy of the FirstLight letter issued regarding authorization (attached). Included in that letter:

FirstLight hereby provides written authorization for municipal agencies with jurisdiction over its lands, authorized personnel of the Connecticut Department of Energy and Environmental Protection, and Connecticut State Police to enforce FirstLight's policies of no overnight camping, diving, open fires or the consumption or possessions of alcohol on FirstLight's property.

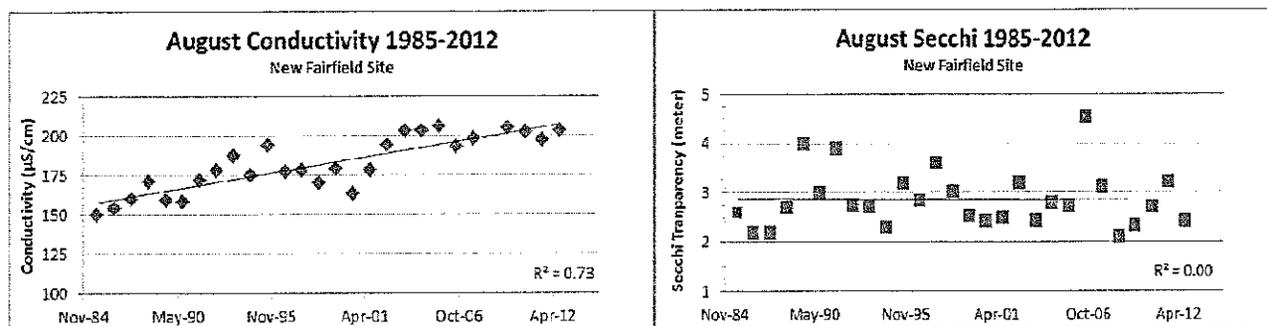
We were also made aware of increasing user conflict between boaters rafting in the cove and residents in the community, both shoreline and back from water. Mr. Miller shared emails with CT DEEP. I shared those with the First Selectman. I informed Melinda of recent FERC Order on SMP specifically regarding boating overcrowding and user conflict. Ms. Miller shared email correspondence with Eleanor Mariani of the Boating Division who had contacted Brian Wood of FirstLight. Mr. Wood acknowledged the rafting issue and that this is being considered as they respond to the FERC Order which requires FirstLight within one year of the date of the order file for Commission approval, a plan to address overcrowding on Candlewood Lake. The plan is to be submitted to the CLA and CT DEEP for comments prior to submitting to FERC.

Most recently we were one on a list of recipients of an email sent by Ms. Miller on regarding recent duck hunting on Hollywyle Island which is approximately 0.5 miles away from the residential community and community beach. Other recipients included FirstLight and the CT DEEP. The email was forwarded to the First Selectman and to Chief Vane. We did look at the proximity of the Island to the community and provided a map (attached).

Water Quality

We are in the process of collecting the Town Beaches' Secchi disk data collected in the month of August by staff at the four of the Town Beaches. We also continue to work with Delegate Phyllis Schaer to obtain Blue Water remote imagery analyses.

We also continue to work on an examination of possible trends in the 30-year, water quality data set. To date, analyses include linear regression of water quality parameters for all months over time, linear regression of parameters measured in specific months (July and August) over time, analyses of variance between annual means of water quality parameter from 1985 thru 2012, and Principal Component Analyses using all parameter measured in the months of July thru September. A report is being prepared. Examples of where linear regression analyses has detected a trend and where it did not is provided below.



Equipment

We prepared and submitted grant application to a local foundation for funding to reinstitute a speed limit enforcement program. Part of that program will be the technology to determine speeds of moving watercraft. We anticipate learning if the applications were approved in the next couple of months.

Project CLEAR

We met with Education Connection's Abby Peklo and Alberto MIMO on September 4th regarding the 2014 Project CLEAR program. Planning is underway for next year's program.

Other

I was invited to be a guest of Friends of the Lake (Lillinonah) at their 10-year anniversary celebration on August 15th.

I've been invited to attend a reception for Fabien Cousteau and his evening presentation One Ocean, One People on Thursday, September 19th. I will circulate a poster with information on the presentation at the board meeting.

Project Management Plan – Small Project

(Short Form)

Job Name: Carbon Dioxide Study for Zebra Mussels	Date Submitted: September 5, 2013
JCN: To be assigned	WOID: To be assigned
Team Leader: (name/code/telephone/fax) Kevin L. Kelly 86-68220 720-663-7944	Client Group or Region: Other Government Agency, Connecticut DEEP
Supervisor: (name/code/telephone/fax) G. Chris Holdren 86-68220 303-445-2178	Client Office: Bureau of Natural Resources
Client Liaison: (name/code/telephone/fax) Dianne Parson 86-68010 303-445-2302 303-445-6356	Client Contact: (name/code/telephone/fax) Tony Petrillo pho: 860-424-3479 fax: 860-424-5127

1. Objectives/Scope Statement: (list features, deliverables, and objectives)

Phase I (completed June 25, 2013). The product of Phase I was a written plan, *Laurel Lake Carbon Dioxide Feasibility Study Plan*, describing a small-scale field study investigating the feasibility of using carbon dioxide to control the upstream recruitment of zebra mussel larvae from Laurel Lake, MA. This study plan has been submitted and accepted by the client. Work was completed under separate agreement and account (OA474).

Phase II (ending date August 1, 2014): The product of Phase II will be a final report on the results of a field study carried out at Laurel Lake, MA in accordance with the written plan, *Laurel Lake Carbon Dioxide Feasibility Study Plan*. Small project funding is provided by CT DEEP, on a non-profit cost recoverable basis, to perform Phase II of this agreement, as described in the budget below.

Client will be required to pay in advance for work to be performed under this agreement. No work will be performed for which payment has not been provided. Unused funds will be returned to the client. Reclamation's authority for entering into this agreement is the Intergovernmental Cooperation Act.

2. Scope Definition:

Background: In the Housatonic River, it is believed that zebra mussel infestation is being sustained via upstream recruitment of the planktonic larval life stage (veligers) from an established seed population of zebra mussels in Laurel Lake, MA. The operations and maintenance of multiple facilities downstream in MA and CT, ecosystem stability and recreational use of these inland waters may become impacted by zebra mussels. Continuing infestation in the Housatonic River may also lead, through recreation and water transfers, to the increased likelihood of infestations in other neighboring water bodies in the Northeast and beyond given the recreational boating popularity of downstream CT reservoirs (e.g. Lakes Lillinonah and Candlewood).

Scope of work: The scope of this work is to plan and execute a small-scale field study to investigate the feasibility and design of a carbon dioxide injection system in a raw water supply pipe and Laurel Brook, MA to control upstream recruitment from Laurel Lake, MA. The literature indicates that adult *Dreissena* species are intolerant to modest increases in dissolved carbon dioxide concentrations given its narcotic effect and pH change in water, blood and hemolymph. Although the larval life stage of these species is known to be the most vulnerable for survival, a knowledge gap exists where it is uncertain how carbon dioxide can best be used to affect the larval life stage of these species. Phase I: *Laurel Lake Carbon Dioxide Feasibility Study Plan*, was written and submitted to CT DEEP to investigate the following major questions: 1. Can carbon dioxide be utilized to control zebra mussel larvae in Laurel Brook, MA or the raw water supply pipe running from Laurel Lake to the Housatonic River? 2. What carbon dioxide feed dosage and exposure levels are required to achieve control? 3. How do these dosages and exposure levels affect the pH of the water? 4. What environmental compliance or discharge permits are required, if any, for this treatment method? 5. What is the recommended design of the carbon dioxide injection system? 6. Exactly how would long term delivery and storage of carbon dioxide on-site be achieved? 6. What are the safety concerns associated with the use of carbon dioxide? And 7. How much bulk carbon dioxide would be require long term for a given treatment program during a single spawning season? Phase II: The field study, as described in *Laurel Lake Carbon Dioxide Feasibility Study Plan*, will be carried out. The study plan is enclosed with this PMP. Phase II is a continuation of the previous work/PMP to continue this project.

3. Schedule:	Milestone Dates	Resource Assigned
Phase I Start:	February 1, 2013	CT DEEP, Reclamation
Phase I Completion:	July 1, 2013 (separate PMP)	Reclamation
Phase II Start:	October 1, 2013 (this PMP)	CT DEEP, Reclamation

Phase II Completion:	June 30, 2014			Reclamation	
Project (Final Report) Complete:	August 1, 2014			CT DEEP, Reclamation	
4. Financial Plan: Fiscal Year 2013	Staff Days			Earned Value	
Task List and/or Organization Code	SL1	SL2	SL3	Yes SD Total	No \$ Nonlabor
Projected FY 2014 (SL3 \$912/day)					
<u>Labor (Billable Rate)</u>					
Principal Investigator (86-68220, Kelly)			18.0		
Peer Reviewer (86-68220, Holdren)			0.75		
<u>Non-Labor Expenses</u>					
Travel (Gov't Rates, Kelly)					\$2,750.00
Field Supplies (microscopy)					\$500.00
Field Supplies (CO ₂ pH and controller)					\$1,500.00
Local logistics and microscopy (CLA)					\$2,450.00
Client Business Ofc (86-68010, Parson)					\$500.00
Staff Days Total (FY14)	0.00	0.00	18.75	0.00	
Fiscal Year 2014 Cost Totals	\$ 0.00	\$ 0.00	\$17,100.00	\$ 0.00	\$ 7,700.00
Grand Total FY2014: \$24,800.00					
5. Roles and Responsibilities: (list role/responsibility and team members' name, code, telephone number, and supervisor's name)					
<p>The client has requested that this PMP serves as the intergovernmental agreement. Under this agreement, five parties are involved with the performance of this field study, as shown below:</p> <p><u>CT Department of Energy and Environmental Protection (client)</u></p> <p>William Hyatt, Bureau Chief, Bureau of Natural Resources, 860-424-3487. Permitting: William Foreman, Environmental Analyst II, 860-424-3868, Bill Hyatt. Service Agreement: Tony Petrillo, Fisheries Biologist, 860-424-3479, Bill Hyatt.</p> <p>CT DEEP is responsible for, with technical and logistical assistance from Reclamation and Candlewood Lake Authority, obtaining required indemnifications, environmental compliance permits, and/or waivers for performing project at Laurel Lake.</p> <p><u>Reclamation (technical lead)</u></p> <p>Project Technical Lead: Kevin Kelly, Research Chemist, 86-68220, 720-663-7944, G. Chris Holdren. Peer Reviewer: G. Chris Holdren, Group Manager, 86-68220, 303-445-2178, Karen Knight. Client Support (Service Agreement): Dianne Parson, Senior Program Analyst, 86-68010, 303-445-2302, Christi Young.</p> <p>Reclamation is responsible for the preparation of the study plan and project technical lead on the field study. Reclamation is responsible for providing pH probe and controller to work in conjunction with Praxair flow control module, as well as machine adapters or holders for the pH probe and Praxair sparger on the raw water feed line.</p> <p><u>Candlewood Lake Authority (local logistics)</u></p>					

Larry Marsicano, Executive Director, 860-354-6928. Under a separate service agreement, CLA is a municipal quasi-governmental agency in CT and study partner who will be responsible for local logistics and microscopy lead.

Laurel Lake Water Power, LLC (facility owner)

Roger Scheurer, Owner, 413-281-3771. Laurel Lake Water Power will be responsible for performing or overseeing any carbon dioxide installations and operations taking place on properties that it owns and granting permissions for use of facility. Laurel Lake Water Power is a study partner providing in-kind support.

Praxair, Inc. (carbon dioxide injection provider)

Ron Switzer, 203-837-2310. Based on results from site survey to be performed by Praxair, Praxair will be responsible for providing and delivering bulk liquid carbon dioxide and flow control module needed for carbon dioxide injection. Praxair will provide technical consultation and orientation for carbon dioxide injection operations. Praxair is a study partner providing in-kind support.

6. Quality Control: TSC peer review will be performed in accordance with the TSC Operating Guidelines.

Study Plan has been peer reviewed by Reclamation (G. Chris Holdren) and accepted by CT DEEP (Bill Hyatt).

Draft project report will be prepared with reviews from project collaborators. Project final report will be peer reviewed by Reclamation (G. Chris Holdren) and submitted to CT DEEP (Bill Hyatt). Further reviews may be coordinated by the client, CT DEEP, for additional comments from local stakeholders. The final report will be a public document.

7. Change Management: Change Order Form _____ Thresholds: Schedule _____ Design Cost _____

Per terms of TSC Project Management guidelines. Any changes to budget, scope, or period of performance will require a change order signed by all parties. Budget increases will require advance payment from client (unused funds will be returned to client).

8. Communication:

Meetings and conference calls: what, how often, who attends.

Due to distance, communications with client will take place primarily via emails and phone. Conference calls with multiple parties may be scheduled as needed. During field study, on-site meetings may be arranged as required.

Status reports: what, how often, to whom.

None expected due to the short term of the field study (<1 month).

9. Risk Management:

1. In the event that this project cannot be carried out in time before the end of spawning season 2013, the project will be performed during early spawning season 2014 (May or June). Green light start of the project will be based on zebra mussel veliger monitoring results provided by CLA and Western Connecticut State University (under separate service agreement with CT DEEP).
2. The field study (Phase II), as described in this study plan, is expected to be a collaboration among various partners. Some of the components of the field study will require timely and critical inputs from study partners for successful completion. Client will be notified of any project delays and a revised study plan may be prepared as necessary.
3. Carbon dioxide sparger and pH probe insertions on raw water feed line must be performed by or with oversight by Laurel Lake Water Power. A State government- or federal government-compatible facility use agreement and permission are required (separate agreement).
4. In-kind support from Praxair includes bulk liquid carbon dioxide and a carbon dioxide flow control module, as described in the study plan, as well as technical consulting. A site survey and flow control module setup performed by Praxair is required. Unused bulk liquid carbon dioxide, flow control module, and associated equipment provided by Praxair are the properties of Praxair. Therefore, a State government- or federal government-compatible carbon dioxide supply agreement is required.
5. An Experimental Use Permit (EUP) was explored with the EPA Region I (New England) Toxics and Pesticides Unit, in accordance with FIFRA regulations found in 40 CFR 172. No concerns were received back from the

EPA Office of Pesticide Programs (Washington, DC) for this experimental study. Region I confirmed that the carbon dioxide study is exempted from FIFRA requirements.

6. Candlewood Lake Authority, on behalf of the client, submitted a State of Massachusetts Wetlands Protection Act (WPA, 310 CMR 10.00) "Request for Determination of Applicability" for the field study to the Conservation Commission, Town of Lee, MA. The public hearing was scheduled for August 19, 2013. Further action may be required, pending review by the Conservation Commission and public hearing.

10. Project Closeout:

Final product will be delivered in the form of a Reclamation peer-reviewed final project report on the feasibility of using carbon dioxide to control upstream recruitment of zebra mussel veligers from Laurel Lake, MA.

11. Signatures: The following signatures indicate approval of this contract:

_____ / _____	_____ / _____
Team Leader (Name) Date	Supervisor (Name) Date
_____ / _____	_____ / _____
CT DEEP (Name) Date	Candlewood Lake Authority (Name) Date



Richard T. Laudenat, P.E.
Plant Manager
143 West Street, Suite E
New Milford, CT 06776
Tel: (860) 350-3617
Fax: (860) 350-3987
Cell: (860) 305-8809
richard.laudenat@gdfsuezna.com

August 16, 2013

To Whom It May Concern:

FirstLight Power Resources Services, LLC is the manager of lands owned by FirstLight Hydro Generating Company (collectively, "FirstLight"), the licensee for the Federal Energy Regulatory Commission's Housatonic River Project No. P-2576. FirstLight's lands are generally open to the public free of charge in areas on and around FirstLight's reservoirs as long as there are no dam or operational structures on the lands serving FirstLight's hydroelectric facilities and the lands are not subject to a lease or license to another user such as a marina, communications tower or utility. Unrestricted areas are generally open to the public for daytime use at the user's own risk for picnicking, fishing, hiking, wildlife viewing and other passive recreation. FirstLight does not provide formal recreational facilities that allow for swimming or diving. Areas that include operational infrastructure or restricted access are signed with "No Trespassing".

FirstLight hereby provides written authorization for municipal agencies with jurisdiction over its lands, authorized personnel of the Connecticut Department of Energy and Environmental Protection, and Connecticut State Police to enforce FirstLight's policies of no overnight camping, diving, open fires or the consumption or possessions of alcohol on FirstLight's property. A sample of the signage that is posted throughout the Housatonic River Project is attached below.

Should you have any questions or require additional information, please contact Richard Laudenat at (860) 350-3617 or richard.laudenat@gdfsuezna.com.

Very truly yours,

FirstLight Power Resources Services, LLC
as Agent for FIRSTLIGHT HYDRO GENERATING COMPANY

Richard T. Laudenat, P.E.

Federal Energy Regulatory Commission
Housatonic River Project No. 2576 & 2597

Public Recreation Area

These Lands Are Open to the Public Free of Charge



No Alcoholic Beverages



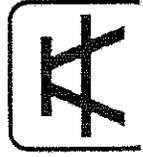
No Over Night Camping



No Swimming or Diving



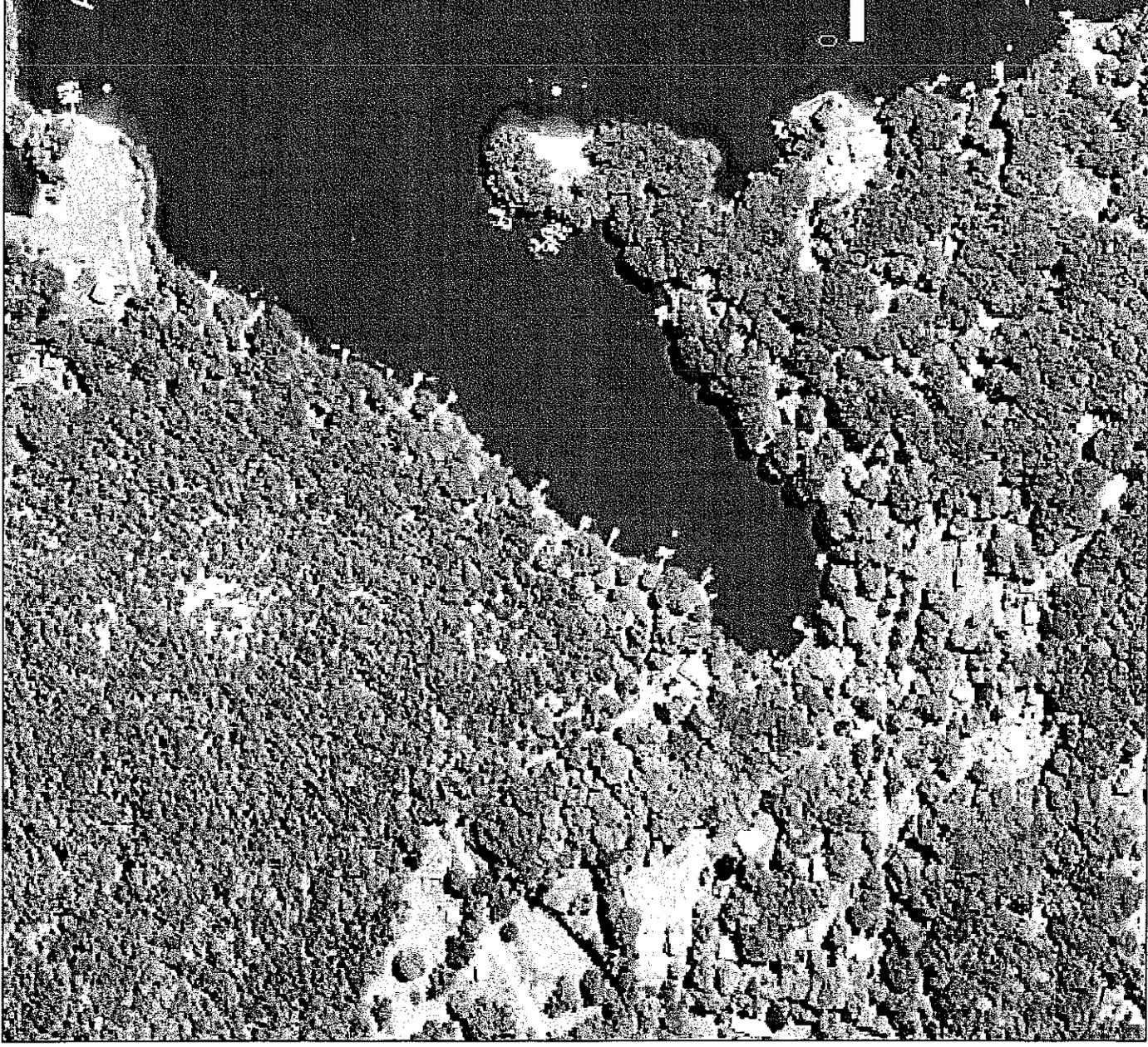
Be aware of steep slopes, fast rising water,
underwater rocks and other potentially hazardous

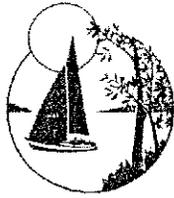


conditions



Aerial imagery is from NAIP 2012





CANDLEWOOD LAKE AUTHORITY

P.O. BOX 37 • SHERMAN, CONNECTICUT 06784-0037 • (860) 354-6928 • FAX (860) 350-5611

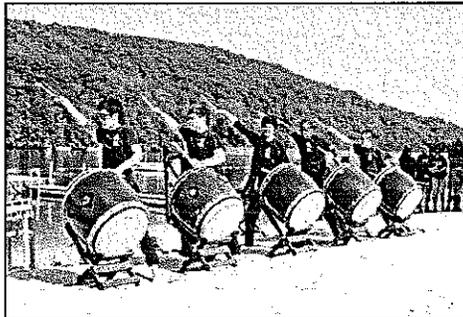
September 11, 2013
Public Education
Mark Howarth

5th Annual Candlewood Lake Dragon Boat Race:

We had a great day for the 2013 Candlewood Lake Dragon Boat Race. This year, 15 teams competed at Lynn Deming Park in New Milford for numerous trophies and awards.



The event opened with Curtis Thompson singing our National Anthem, followed by the UConn Taiko drummers, who performed throughout the day. Lunchtime entertainment was provided by Brian Bradley or Skyhunters In Flight, Inc., who did a birds of prey demonstration at lunch right on the beach, featuring owls, hawks and a falcon.



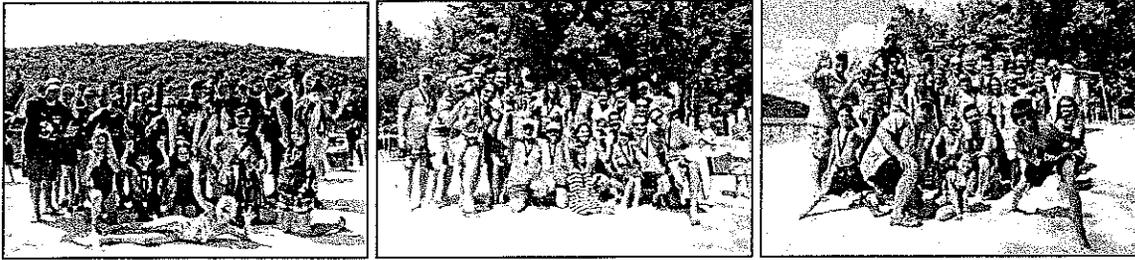
This year's races featured an all Candlewood Lake Community finals, the first time in our 5 years we had that.

The top three finishers were as follows:

Gold: Isle Stokers from Candlewood Isle (Time: 53.100 seconds)

Silver: Dazed and Confucius from Atchinson Cove (Time: 55:160 seconds)

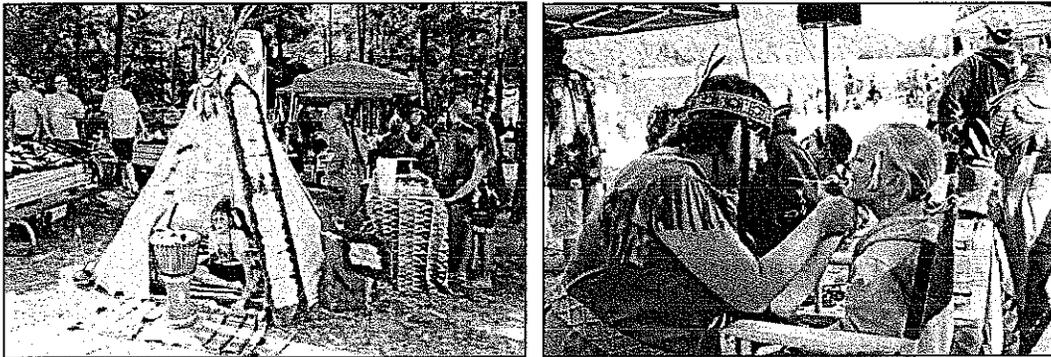
Bronze: Knolls Knights from Candlewood Knolls (Time: 56.270 seconds)



The “**Lake Community Cup**”, given to the lake community team with the fastest time also went to the Isle Stokers.

The “**Ultimate Drummer Award**” is awarded to the best drummer of the event and is chosen by the professional coaches/steerspeople that day. The drummer from Homestead Funding was named the 2013 Ultimate Drummer.

The final award was the “**Fired Up Award**” and is given to the team with the most team spirit and best tent decorations. This award is voted on by some of the day’s volunteers. This year the award went to the Independent Realty Team who also had Louise Johnson there that day, painting the faces of seemingly every child (and many adults) that day, some numerous times.



Website Updates:

We have been going through and making updates to our website and will continue to do so as we finish up our summer season and move into the off-season.

Newsletter:

A newsletter is in progress. Due to the projected amount of information to cover we will split it into two and have one newsletter devoted to the two most recent events we did, Village Fair Days and the Dragon Boat Race, and the other covering lake issues water quality, the enforcement of the boat length limit on Candlewood, reminders to check for zebra mussels when you remove your boats this fall, etc.